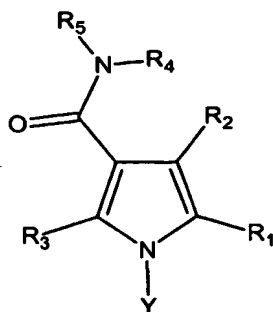


We claim

1. A compound of formula 1



Formula I

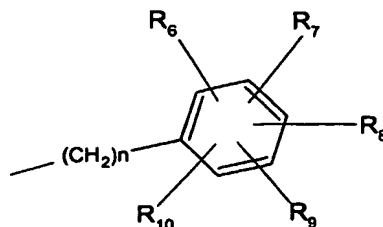
wherein

R₁ is C₁-C₆ alkyl; C₃-C₇ cycloalkyl; or unsubstituted or optionally substituted phenyl having the phenyl substituents halogen, C₁-C₆ alkyl, cyano or C₁-C₃ perfluoroalkyl;

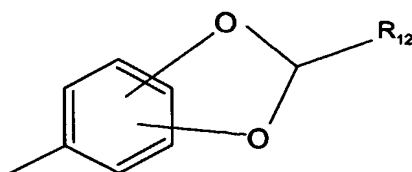
R₂ is unsubstituted or optionally substituted phenyl having the phenyl substituents cyano; acetyl; or unsubstituted or optionally substituted amino having the amino substituents C₁-C₆ alkyl, C₃-C₇ cycloalkyl, or acetyl;

R₃ is unsubstituted or optionally substituted C₁-C₆ alkyl or C₃-C₇ cycloalkyl having the alkyl or cycloalkyl substituents halogen; perfluoroalkyl; unsubstituted or optionally substituted amino having the amino substituents C₁-C₆ alkyl, C₃-C₇ cycloalkyl, or acetyl; hydroxyl; C₁-C₃ alkoxy; protected hydroxyl; carboxyl; or C₁-C₃ alkoxycarbonyl;

R₄ and R₅ are independently hydrogen; C₁-C₆ alkyl; C₁-C₃ cycloalkyl; or

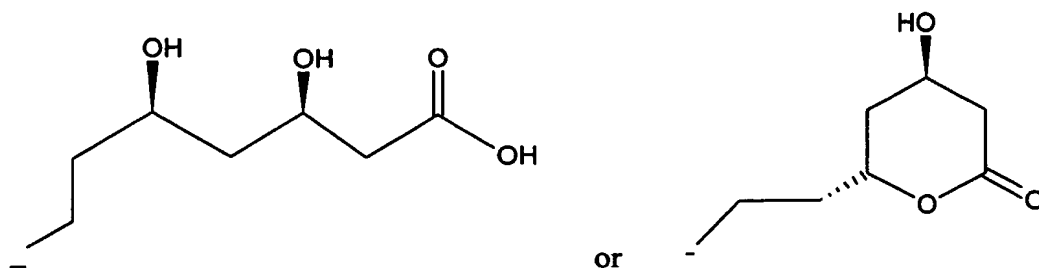


wherein $n = 0$ or 1 and R_6, R_7, R_8, R_9 & R_{10} are independently selected from hydrogen; halogen; hydroxyl; protected hydroxyl; C_1 - C_6 alkoxy; unsubstituted or optionally substituted C_1 - C_6 alkyl having the alkyl substituents hydroxyl or protected hydroxyl; unsubstituted or optionally substituted amino having the amino substituents $SO_2 R_{11}$, COR_{11} , $CONH R_{11}$, wherein R_{11} is C_1 - C_6 alkyl, or aryl; cyano; acetyl; trifluoromethyl; C_1 - C_6 alkoxycarbonyl; or two successive positions of the phenyl ring substituted by an unsubstituted or optionally substituted methylene dioxy group having the structure



wherein R_{12} is C_1 - C_3 alkyl; with the proviso that when $n=0$ at least one of R_6, R_7, R_8, R_9 & R_{10} is hydroxyl or protected hydroxyl, with the further proviso that if only one of R_6, R_7, R_8, R_9 & R_{10} is hydroxyl or protected hydroxyl, then at least one of the other substituents is not hydrogen.

wherein Y is



including the tautomers, racemates, pure enantiomers and diastereoisomers, N-oxides, or solvates of the compound of formula I.

2. A compound of claim 1 wherein R_1 is phenyl.
3. A compound of claim 1 wherein R_1 is phenyl substituted with one or more halogens or cyano groups.

4. A compound of claim 1 wherein R₁ is phenyl substituted with one or more halogens.
5. A compound of claim 1 wherein R₁ is phenyl substituted with one or more fluorine atoms.
6. A compound of claim 1 wherein R₁ is 4-fluorophenyl.
7. A compound of claim 1 wherein R₂ is phenyl.
8. A compound of claim 1 wherein R₂ is phenyl substituted with one or more halogens or cyano groups.
9. A compound of claim 1 wherein R₂ is phenyl substituted with one or more halogens.
10. A compound of claim 1 wherein R₂ is phenyl substituted with one or more fluorine atoms.
11. A compound of claim 1 wherein R₂ is 4-fluorophenyl.
12. A compound of claim 1 wherein R₃ is C₁-C₆ alkyl or C₃-C₇ cycloalkyl.
13. A compound of claim 1 wherein R₃ is 2-methylethyl.
14. A compound of claim 1 wherein R₃ is cyclopropyl.
15. A compound of claim 1 wherein R₄ and R₅ are independently hydrogen.
16. A compound of claim 1 wherein R₄ and R₅ are independently phenyl.
17. A compound of claim 1 wherein R₄ and R₅ are independently phenyl substituted with a hydroxyl group and at least one or more halogens or cyano groups.
18. A compound of claim 1 wherein R₄ and R₅ are independently phenyl substituted with a protected hydroxyl group and at least one or more halogens or cyano groups.
19. A compound of claim 1 wherein R₄ and R₅ are independently phenyl substituted with a methoxy group and at least one or more halogens or cyano groups.

20. A compound of claim 1 wherein R₄ and R₅ are independently phenyl substituted with two or more hydroxyl groups.
21. A compound of claim 1 wherein R₄ and R₅ are independently phenyl substituted with two or more methoxy groups.
22. A compound of claim 1 wherein R₄ is hydrogen and R₅ is phenyl substituted with a hydroxyl group and at least one or more halogens or cyano groups.
23. A compound of claim 1 wherein R₄ is hydrogen and R₅ is phenyl substituted with a methoxy group and at least one or more halogens or cyano groups.
24. A compound of claim 1 wherein R₄ is hydrogen and R₅ is phenyl substituted with two or more hydroxyl groups.
25. A compound of claim 1 wherein R₄ is hydrogen and R₅ is phenyl substituted with two or more methoxy groups.
26. A compound of claim 1 wherein R₁ and R₂ are independently phenyl or phenyl substituted with one or more fluorine atoms, R₃ is C₁-C₆ alkyl or C₁-C₃ cycloalkyl, R₄ and R₅ are independently phenyl substituted with a hydroxyl group and at least one or more halogens or cyano groups.
27. A compound of claim 1 wherein R₁ and R₂ are independently phenyl or phenyl substituted with one or more fluorine atoms, R₃ is C₁-C₆ alkyl or C₁-C₃ cycloalkyl, R₄ and R₅ are independently phenyl substituted with a protected hydroxyl group and at least one or more halogens or cyano groups.
28. A compound of claim 1 wherein R₁ and R₂ are independently phenyl or phenyl substituted with one or more fluorine atoms, R₃ is C₁-C₆ alkyl or C₁-C₃ cycloalkyl, R₄ and R₅ are independently phenyl substituted with two or more hydroxyl groups.
29. A compound of claim 1 wherein R₁ and R₂ are independently phenyl or phenyl substituted with one or more fluorine atoms, R₃ is C₁-C₆ alkyl or C₁-C₃ cycloalkyl, R₄ and R₅ are independently phenyl substituted with two or more protected hydroxyl groups.

30. A compound of claim 1 wherein R_1 and R_2 are independently phenyl or phenyl substituted with one or more fluorine atoms, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 and R_5 are independently phenyl substituted with two or more methoxy groups.
31. A compound of claim 1 wherein R_1 and R_2 are independently phenyl or phenyl substituted with one or more fluorine atoms, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with a hydroxyl group and at least one or more halogens or cyano groups.
32. A compound of claim 1 wherein R_1 and R_2 are independently phenyl or phenyl substituted with one or more fluorine atoms, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with a protected hydroxyl group and at least one or more halogens or cyano groups.
33. A compound of claim 1 wherein R_1 and R_2 are independently phenyl or phenyl substituted with one or more fluorine atoms, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more hydroxyl groups.
34. A compound of claim 1 wherein R_1 and R_2 are independently phenyl or phenyl substituted with one or more fluorine atoms, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more protected hydroxyl groups.
35. A compound of claim 1 wherein R_1 and R_2 are independently phenyl or phenyl substituted with one or more fluorine atoms, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more methoxy groups.
36. A compound of claim 1 wherein R_1 and R_2 are independently selected from the group consisting of phenyl, monofluorophenyl and difluorophenyl, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more hydroxyl groups.
37. A compound of claim 1 wherein R_1 and R_2 are independently selected from the group consisting of phenyl, monofluorophenyl and difluorophenyl, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more protected hydroxyl groups.

38. A compound of claim 1 wherein R_1 and R_2 are independently selected from the group consisting of phenyl, monofluorophenyl and difluorophenyl, R_3 is C_1 - C_6 alkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more methoxy groups.
39. A compound of claim 1 wherein R_1 and R_2 are independently selected from the group consisting of phenyl, monofluorophenyl and difluorophenyl, R_3 is C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more hydroxyl groups.
40. A compound of claim 1 wherein R_1 and R_2 are independently selected from the group consisting of phenyl, monofluorophenyl and difluorophenyl, R_3 is C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more protected hydroxyl groups.
41. A compound of claim 1 wherein R_1 and R_2 are independently selected from the group consisting of phenyl, monofluorophenyl and difluorophenyl, R_3 is C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more methoxy groups.
42. A compound of claim 1 wherein R_1 is 4-fluorophenyl or 3,4-difluorophenyl and R_2 is phenyl, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more hydroxyl groups.
43. A compound of claim 1 wherein R_1 is 4-fluorophenyl or 3,4-difluorophenyl and R_2 is phenyl, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more protected hydroxyl groups.
44. A compound of claim 1 wherein R_1 is 4-fluorophenyl or 3,4-difluorophenyl and R_2 is phenyl, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more methoxy groups.
45. A compound of claim 1 wherein R_1 is phenyl and R_2 is 4-fluorophenyl, R_3 is C_1 - C_6 alkyl or C_1 - C_3 cycloalkyl, R_4 is hydrogen and R_5 is phenyl substituted with two or more hydroxyl groups.

46. A compound of claim 1 wherein R₁ is phenyl and R₂ is 4-fluorophenyl, R₃ is C₁-C₆ alkyl or C₁-C₃ cycloalkyl, R₄ is hydrogen and R₅ is phenyl substituted with two or more protected hydroxyl groups.
47. A compound of claim 1 wherein R₁ is phenyl and R₂ is 4-fluorophenyl, R₃ is C₁-C₆ alkyl or C₁-C₃ cycloalkyl, R₄ is hydrogen and R₅ is phenyl substituted with two or more methoxy groups.
48. A pharmaceutical composition comprising one or more compounds of claim 1.
49. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of the one or more of the compounds claim 48.
50. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[3-(2,4-dimethoxyphenylcarbamoyl)-5-(4-fluorophenyl)-2-(1-methylethyl)-4-phenyl-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
51. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[3-(2-methoxy-4-hydroxyphenylcarbamoyl)-5-(4-fluorophenyl)-2-(1-methylethyl)-4-phenyl-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
52. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[3-(2,4-dihydroxyphenylcarbamoyl)-5-(4-fluorophenyl)-2-(1-methylethyl)-4-phenyl-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
53. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[2-cyclopropyl-3-(2,4-dimethoxyphenylcarbamoyl)-5-(4-fluorophenyl)-4-phenyl-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
54. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[3-(2,4-dimethoxyphenylcarbamoyl)-

- 4,5-diphenyl-5-(4-fluorophenyl)-2-(1-methylethyl)-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
55. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[4,5-bis(4-fluorophenyl)-3-(2,4-dimethoxyphenylcarbamoyl)-2-(1-methylethyl)-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
56. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[3-(3,5-dimethoxyphenylcarbamoyl)-5-(4-fluorophenyl)-2-(1-methylethyl)-4-phenyl-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
57. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[3-(3,4-dimethoxyphenylcarbamoyl)-5-(4-fluorophenyl)-2-(1-methylethyl)-4-phenyl-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
58. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[4,5-bis(4-fluorophenyl)-2-cyclopropyl-3-(2,4-dimethoxyphenylcarbamoyl)-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
59. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[5-(3,4-difluorophenyl)-3-(2,4-dihydroxyphenylcarbamoyl)-2-(1-methylethyl)-4-(4-fluorophenyl)-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
60. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[2-cyclopropyl-5-(3,4-difluorophenyl)-3-(2,4-dihydroxyphenylcarbamoyl)-4-(4-fluorophenyl)-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
61. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[5-(3,4-difluorophenyl)-3-(2,4-

- dihydroxyphenylcarbamoyl)-2-(1-methylethyl)-4-phenyl-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
62. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[5-(3,4-difluorophenyl)-3-(2,4-dimethoxycarbamoyl)-4-(4-fluorophenyl)-2-(1-methylethyl)-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
63. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[2-cyclopropyl-5-(3,4-difluorophenyl)-3-(2,4-dimethoxycarbamoyl)-4-(4-fluorophenyl)-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
64. A pharmaceutical composition, useful as hypocholesteromic agent, comprising a hypocholesteromic effective amount of 7-[5-(3,4-difluorophenyl)-3-(2,4-dimethoxycarbamoyl)-2-(1-methylethyl)-4-phenyl-pyrrol-1-yl]-3R, 5R-dihydroxy-heptanoic acid calcium salt with a pharmaceutically acceptable carrier.
65. A method of inhibiting cholesterol biosynthesis in a patient in need of such treatment by administering a pharmaceutical composition as defined by claim 78.
66. A method of inhibiting cholesterol biosynthesis in a patient in need of such treatment by administering a pharmaceutical composition as defined by claim 79.